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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/582,959	08/24/2000	Siegfried Schustek	1219	4553

7590 05/16/2002

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EXAMINER

LAM, THANH

ART UNIT	PAPER NUMBER
2834	

DATE MAILED: 05/16/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/582,959

Applicant(s)

Schustek et al. *KE*

Examiner

Thanh Lam

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on Amndt. filed on 3/6/2002.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) Claim(s) 13-23 is/are pending in the application.

4a) Of the above, claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 13-23 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s). _____

2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) Other: _____

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

2. Claims 13-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rimkus in view of Schustek .

Regarding claims 13 and 23, Rimkus discloses a method for joining excitation poles to a pole housing of electromagnet machines formed as starter motors for starting internal combustion engines, comprising the steps of attaining a joining connection by positive and non positive

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engagement with spot shaping of a separate rivet (12) which joins an excitation pole (2) and the pole housing(6) at least at one joining location. However, Rimkus fails to teach an employment a rivet in form of a blind rivet.

Schustek disclose an employment a rivet in form of a blind rivet (14, fig. 4d).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the joining pole of Rimkus and employ the blind rivet as taught by schustek to provide the joining pole with ease to assembly.

Regarding claim 14, proposal in combination of Rmkus and Schustek disclose perforating the pole housing so that a rivet shank of the rivet is inserted through the perforated pole housing.

Regarding claim 15, proposal of Rmkus and Schustek disclose introducing the blind rivet into adjoining hole from outside of the pole housing.

Regarding claim 16, proposal in combination of Rmkus and Schustek disclose perforating excitation poles so thata shank of the rivet is inserted through the excitation poles; and widening of the rivet shank in association with a riveting operation downstream of a narrowing of a first hole segment in a second hole segment of a larger diameter than the first hole segment.

Regarding claim 17, proposal in combination of Rmkus and Schustek disclose forming a hole in the excitation poles as a throughhole.

Regarding claim 18, proposal in combination of Rmkus and Schustek disclose forming a joining hole in the excitation pole as a blind bore.

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Regarding claim 19, proposal in combination of Rmkus and Schustek disclose performing the narrowing of the joining hole in the excitation hole by drilling with a step drill.

Regarding claim 20, proposal of Rmkus and Schustek disclose performing the narrowing of the hole in the excitation pole by reverse upsetting of a bead created by perforation.

Regarding claim 21, proposal in combination of Rmkus and Schustek disclose centering the excitation pole relative to the pole housing during riveting of the rivet shank which widens, by a concinal form of a step attained in a perforation.

Regarding claim 22, proposal in combination of Rmkus and Schustek disclose securing each excitation pole to an inside of the pole housing by two axially offset rivets.

Response to Arguments

3. Applicant's arguments with respect to new claims 13-23 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

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MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Lam whose telephone number is (703) 308-7626. The fax phone number for this Group is (703) 305-3432.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0656.



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Thanh Lam

Patent Examiner

May 13, 2002